

PHENIX WEEKLY PLANNING

TECHNICAL
SUPPORT
NO. 1



3/3/2011
Don Lynch

This Week:

Restricted Access Yesterday:

- VTX ladder repairs, flow meter replacement;
- RPC added shielding in North tunnel
- RPC 2 bad HV cables replaced, increased north gas flow
- Intermittent PC E. problem worked on, fixed?
- TOF E problems fixed
- MuTr gas flow adjusted
- MuID bad HV channel fixed
- ERT bad channel fixed
- ZDC Fuse fixed

Controlled Access Today: Results?

Next Access : March 16th

Prep for FoCal prototype installation

Continuing mechanical, electrical and gas system support for Run 11

Plan for shutdown 2011

Future upgrades support

Next Week

No scheduled maintenance next week, Next: scheduled maintenance access:

Wednesday March 16th

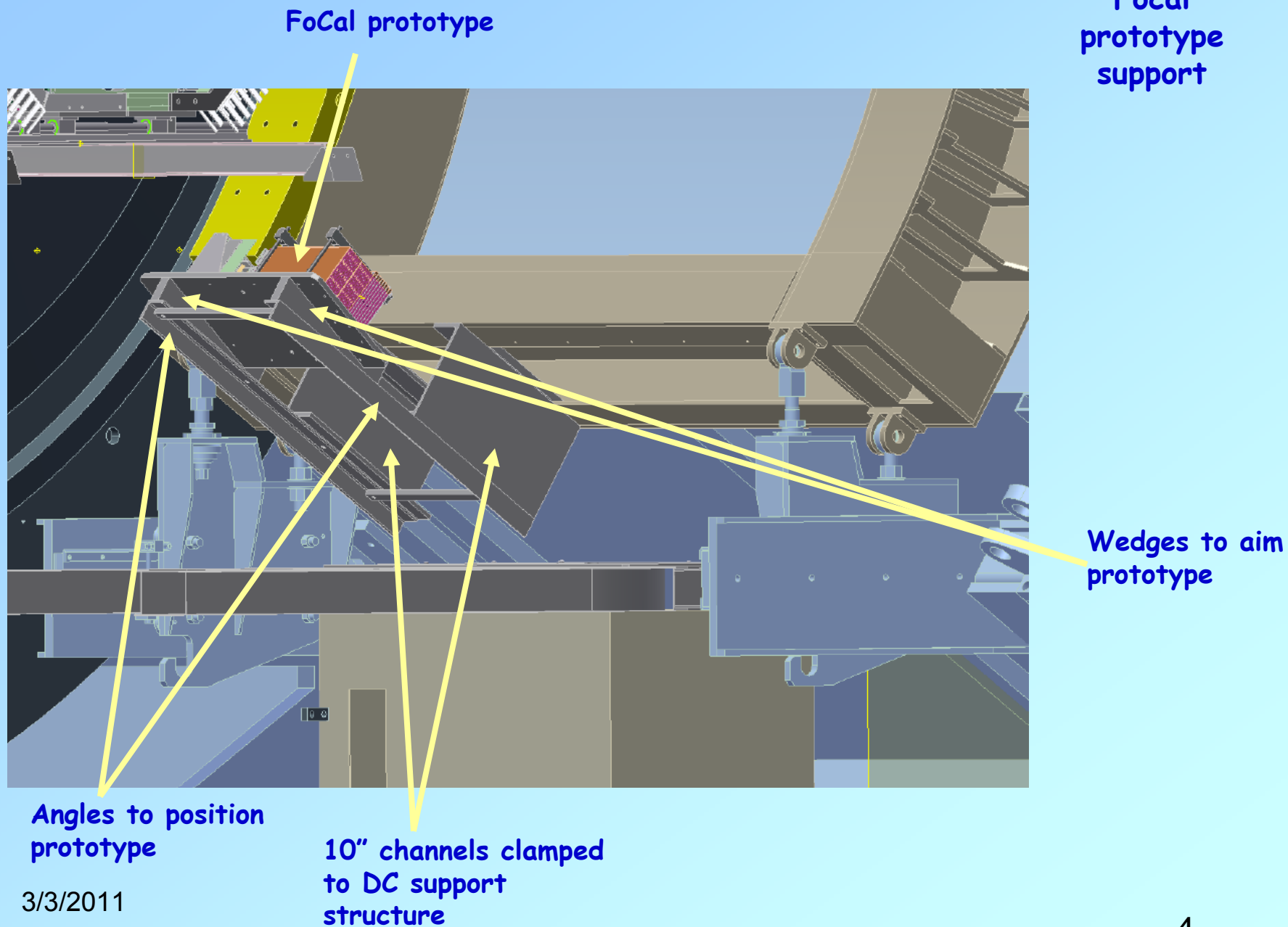
Close VTX $\frac{1}{2}$'s
RPC south tunnel shielding
No Other Plans defined yet

Continue Prep for FoCal prototype installation

Continuing mechanical, electrical and gas system support for Run 11

Continue planning for shutdown 2011

Future upgrades support



3/3/2011

Planning For the 2011 Shutdown

- Prep for shutdown 2/1-6/30/2011
 - Define tasks and goals
 - Analysis and design of fixtures, tools and procedures
 - Fabricate/procure tools and fixtures
 - Tests, mockups, prototypes
 - Receive, fabricate, modify, finish installables (bigwheels, tubing, etc.)
 - Review and approval of parts, tools, fixtures and proceures
 - Assembly and QA tests
- Run 11 Ends 6/30/2010
- Shutdown Standard Tasks 7/1-7/21/2010
 - Open wall, disassemble wall, Remove MuID Collars,
 - Move EC to AH, etc.
- Disassemble VTX services 7/11-7/22
- Remove VTX and transport to Chemistry Lab 7/25/2011
- BBC North maintenance 7/22-7/29/2011
- MuTr North Station 1 work 7/25-9/30/2011
 - Install access (scaffold) (1 week)
 - Disconnect Cables, hoses etc (1 week)
 - Remove FEE plates and chambers (1 week)
 - Station 2 Maintenance/upgrade through access opened by station 1 removal (3 weeks concurrent with next task)
 - Clean/install new parts and upgrades (3 weeks, concurrent)
 - Re-install chambers and FEE plates (1 week)
 - Re-cable, re-hose and test (3 weeks)

Planning For the 2011 Shutdown (cont'd)

TECHNICAL SUPPORT NOTES

- VTX maintenance/upgrade and integration of FVTX onto VTX support structure 7/25-9/25/2011
 - Disassemble/repair/upgrade/test/reassemble VTX (3 weeks)
 - Resurvey as necessary (1 week)
 - Install FVTX (3 weeks)
 - VTX/FTX survey and QA tests (2 weeks)
- RPC1 and Absorber upgrades 7/25-10/28/2011
 - Install north absorbers (1 week)
 - Install north RPC1 (3 weeks)
 - Install south absorbers (1 week)
 - Install south RPC1 (3 weeks)
- Install VTX&FVTX (2 weeks) 9/26-10/7/2011
- Undefined detector subsystem maintenance and repairs 7/25-10/7/2011
- Prep for EC roll in 10/3-10/7/2011
- Roll in EC 10/10/2011
- Prep IR for run 10/10-10/17/2010
- VTX, FVTX and RPC1 Services and commissioning 9/16-10/31/201
- Pink/Blue/White sheets 10/17-10/31/201
- Run 12 cooldown 11/1/2011

2010 Building Maintenance Issues

TECHNICAL SUPPORT

- Roof leaks in utility bathroom at northwest corner behind tech offices, over door between rack room and assembly hall, over door between control room and elect. ass'y room, southeast corner of IR and laser room.
- General maintenance for Trailer Offices (in progress)
-Repair replace floor tiling as needed
- Flooding in AH/ Driveway
- New connection

Nothing New This Week



PHENIX Procedure Review Current Status:

147 Procedures Identified

- 87 Made Inactive (not currently in use, will reactivate if and when necessary, available for re-activate if
- 9 CAD procedure relevant to the experiment and available on the
- 43 PHENIX procedure
- 9 Proposed procedures (never previously formalized) (3 are ready for re-activate these will be addressed during next few months.

Nothing New This Week

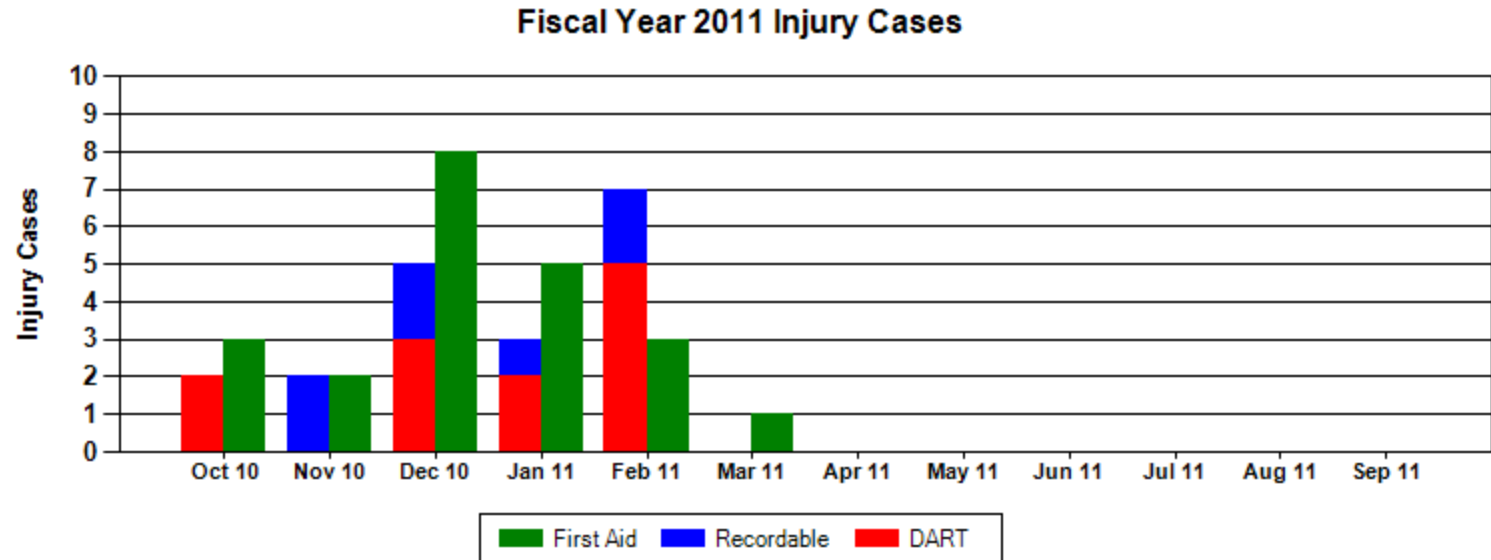
Web retrieval of latest procedures now available from PHENIX Internal:

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_procedures.htm

1. RPC Factory annual safety review
 - a) All procedures reviewed and found to be up to date requiring no revisions
 - b) Annual RPC Factory safety system blue sheet testing complete (?)
(Waiting for IFM to do fire alarm tests)
 - a) Safety walkthru needed, schedule TBD, after blue sheets
2. FoCal Prototype safety review
 - a) Documents prepared and submitted for review
 - b) Installation procedure and work permit in progress
 - c) Assembly of prototype and design of installation/support structure in progress
 - d) Expect to install during a maintenance access period sometime in March

3. February Safety incidents:

- 3 lacerations, 4 slips, 1 strain (shoulder), 1 vehicle flipped, 1 bump (elbow); at least 3 slips were weather related (ice)
- 5 Darts, 2 recordable, 3 First Aid



			DOE Target	
	YTD Cases	Rates	Cases	Rates
DART:	12	1.00	6	0.25
Recordable:	19	1.58	16	0.65
First Aid:	22	N/A	N/A	N/A

New roles for former CAD buiding managers:

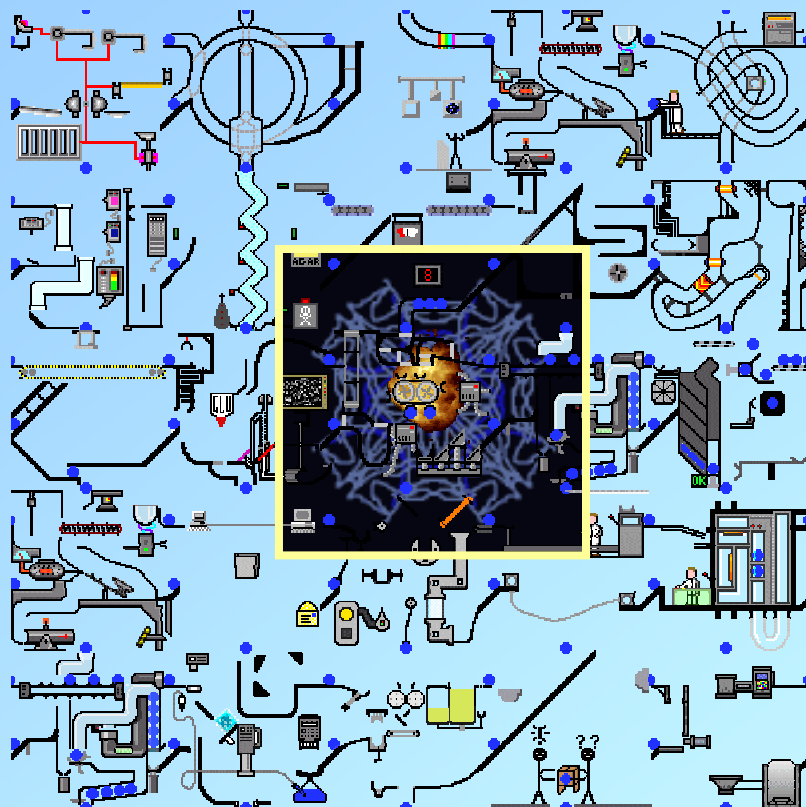
- Now called "**Research Space Managers**"

"Acts as the steward for the "as occupied" research, operations, and other balance of plant spaces within a research facility, and serves as the contact for the coordination of facility-related operational issues that affect experimental or programmatic areas and liaison to the Integrated Facility Management (IFM) Project Managers."

For 1008, 1008A, 1008D, 1008E, 1008F: F. Kobasiuk, D. Phillips as deputy;
For 1008B (magnet power): J. Benante, R. Zaharatos as deputy; For 1008C (chiller facility): J. DeBoer, L. Vogt as deputy

- **Facility Complex Manager:** Manages a complex area including assigned facilities and resources to ensure the availability of effective, efficient, safe, and secure facilities, infrastructure, and support systems. For all 1008 (and essentially allof RHIC) this is Leo Somma
- **Facility Project Manager:** Manages specific facility(s) within a designated complex area, related equipment and systems; ensuring resolution of problems, maintaining safe and reliable operations. Serves as the single point of contact for the execution of the obligations agreed to between the approving parties of the Facility Use Agreements (FUA). For all 1008 this is R. McKay

Where To Find PHENIX Engineering Info



Run 11

Marches On



Links for the weekly planning meeting slides, archives of past meeting slides, long term planning, pictures, videos and other technical info can be found on the PHENIX Engineering web site:

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

